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MISSOURI DEPARTMENT OF NATURAL RESOURCES
P.O. Box 1368 1915 Southridge Drive Jefferson City, Missouri 65102 (314) 751-3241

August 21, 1981

William J. McCullough
13570 St. Charles Rock Road
Bridgeton, MO 63044

Dear Mr. McCullough:

Enclosed is your official "Solid Waste Disposal Area Operating Permit", which I believe is self-explanatory. Also enclosed is copy of the "Report of Approval of Plans and Specifications for Solid Waste Disposal Area, St. Louis County, Missouri", dated August 13, 1981, which is made a part of the description and conditions of this permit.

If you have any questions, please advise.

Sincerely,

John D. Doyle, P.E., Chief
Technical Services Section
Solid Waste Management Program

JD/bki

Enclosures

cc: East-West Gateway Coordinating Council
St. Louis Regional Office
Reitz & Jens, Inc.

40241272



SUPERFUND RECORDS

DNR 0194

Christopher S. Bond Governor
Fred A. Laiser Director

Division of Environmental Quality
Robert J. Schreiber Jr., P.E. Director

REPORT OF APPROVAL OF PLANS AND SPECIFICATIONS
FOR SOLID WASTE DISPOSAL AREA
ST. LOUIS COUNTY, MISSOURI

August 13, 1981

INTRODUCTION

An application for Operating Permit has been filed with the Missouri Department of Natural Resources requesting a permit to operate a sanitary landfill designated in the application as the West Lake Landfill, Inc. - 3 acre expansion. The application was filed by William J. McCullough, President. Plans, specifications and operating procedures for the West Lake Landfill, Inc. St. Louis County, Missouri, have been submitted to the Department of Natural Resources, Solid Waste Management Program, for review and approval by Reitz and Sons, Inc. These plans, specifications and operating procedures have been reviewed for compliance with the Missouri Solid Waste Management Law (Sections 260.200 to 260.245, RSMo., Cum. Supp. 1978) and the Missouri Solid Waste Rules and Regulations.

BRIEF DESCRIPTION

The proposed sanitary landfill expansion is located in U.S. Survey 131, Township 47N, Range 5E, St. Louis County, Missouri. The proposed site consists of a total of approximately 3 additional acres of quarry which will be utilized for sanitary landfill. Final fill elevations on the adjacent previously permitted (#118906) 6 acre fill area have also been revised. The types of wastes to be accepted will consist of municipal solid waste and demolition and construction waste. Approval to dispose of special wastes other than the wastes listed above (except hazardous waste, explosives or radioactive material) will be considered on a case-by-case basis, as provided in 10 CSR 80-3.010 (3). The area method of sanitary landfill operation will be utilized. Upon completion of the landfill, the area will receive final cover, grading and seeding.

All fencing, gates, equipment maintenance buildings, all-weather access roads, signs, surface-water control devices, operating equipment, standby equipment and other necessary appurtenances shall be provided as per the approved plans, specifications and operating procedures.

CONDITION(S)

The following condition(s) are an integral part of the permit. Compliance with these condition(s) shall, in part, determine compliance with the permit.

1. An eight foot wide clay liner is to be installed along the vertical rock faces of the northeast and southeast sides of the quarry pit. Records substantiating liner construction and installation shall be kept.
2. Prior to use of the quarry pit for landfiling, the accumulated leachate in the pit shall be completely pumped out to the temporary holding lagoon which has been constructed southwest of the quarry property. After the

leachate has been pumped out of the pit, 10 feet of quarry run limestone will be placed in the pit bottom. This layer will be covered by a 4 to 10 foot thick earth blanket. A collection well in the pit will be installed in conjunction with the installation of the quarry run limestone and earth blanket layers. The collection well in the new pit shall be used to pump leachate out of the pit to the leachate treatment plant such that the leachate level never rises above 8 feet from the pit bottom. Leachate level is to be maintained at least two feet below the top of the 10 foot thick quarry run gravel layer in the pit bottom or no more than 8 foot deep. The collection well and pump to the west of the rock wall separating the old and new landfill pits shall be operated such that leachate is maintained at the lowest practicable level.

3. If decomposition gases migrate from or cause odor problems in the environs of the landfill, an active gas collection system shall be installed into the landfill upon completion of filling of this new area. The present gas collection and burning system shall be maintained in operating condition and run continuously until such time as it is replaced by a different system.

APPROVAL

The plans, specifications and operating procedures described above have been examined as to sanitary features of design which might affect the operation of the solid waste disposal area as a sanitary landfill. Approval of the plans, specifications and operating procedures is hereby given. This approval is given with the explicit understanding that the sanitary landfill will be developed and operated in compliance with the plans, specifications and operating procedures with the condition(s) of the permit, with the Missouri Solid Waste Rules and Regulations, and in accordance with the Missouri Solid Waste Management Law. This approval is not to be construed as compliance with any existing local ordinances or zoning requirements. The Department of Natural Resources reserves the right to withdraw the approval of these plans, specifications and operating procedures at any time that it is found that additional construction or alteration of the sanitary landfill is necessary to assure compliance with the rules and regulations and to afford adequate protection to the public health.



Thomas B. Ellis
Environmental Engineer
Solid Waste Management Program

TBE/bki

MISSOURI DEPARTMENT OF NATURAL RESOURCES
Division of Environmental Quality
Solid Waste Management Program

SOLID WASTE DISPOSAL AREA OPERATING PERMIT

In accordance with Section 260.205, Paragraph 2, RSMo, Supplement 1973, the Missouri Department of Natural Resources hereby approves the application and issues Permit Number 118909 to William J. McCullough for the operation of a solid waste disposal area set forth in

the application to the West Lake Landfill, Inc.

located at U.S. Survey 131

Township 47N Range SE

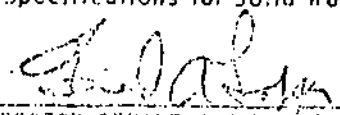
St. Louis County, Missouri. This permit applies only to that tract of land of approximately acres covered by the plans, specifications and operating procedures submitted to the Department.

The solid waste disposal area shall be in accordance with the provisions of the Missouri Solid Waste Management Law, Sections 260.201 to 260.215, RSMo, Supplement 1973, the rules and regulations promulgated thereunder, and the engineering plans, specifications and operating procedures approved by the Department. The Department does not examine structural features, efficiency of mechanical equipment and the issuance of this permit does not imply approval of those features.

The Department reserves the right to revoke or modify this permit after due notice if it is found that the holder of the permit is not complying with the Missouri Solid Waste Management Law, the Missouri Solid Waste Rules and Regulations, or failure to operate in accordance with the approved plans, specifications and operating procedures or is creating a public nuisance, health hazard or pollution. Furthermore, if it is found that additional construction or alteration of the solid waste disposal area is necessary, the permittee must comply with any and all rules and regulations promulgated in accordance with the Missouri Solid Waste Management Law, and in that event, the Department has and does hereby reserve the right to revoke or modify this permit.

This permit for the operation of a solid waste disposal area is issued only to the person named in the application and shall not be transferable. This permit shall become void after notice to the Department by the person named in the permit that said person has discontinued the operation of the disposal area. The Department may revoke this permit after determining an area has not operated for a period of one year. This permit is issued contingent upon and may be revoked for failure to comply with any and all conditions attached on the attached "Report of Approval of Plans and Specifications for Solid Waste Disposal Area".

By


DIRECTOR, DEPARTMENT OF NATURAL RESOURCES

Date

August 20, 1981